

ABSTRACT

A cathode ray tube (CRT) separation apparatus has a high-frequency power source coupled to the primary side of a transformer. The secondary side of the transformer is coupled to a separation cable that is wrapped around the CRT at the desired separation position by a movable guide and held there under tension by a tension guide. The separation is effected by thermal strain from joule heat generated by high-frequency current in the separation cable. The movable guide can wrap the separation cable around any type of CRT, enabling all types of CRTs to be separated by the same apparatus. A stranded stainless-steel separation cable, not susceptible to thermal embrittlement, can be used to avoid the need for frequent cable replacement.